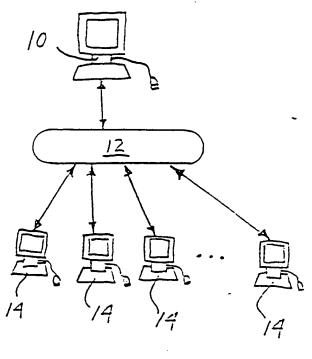
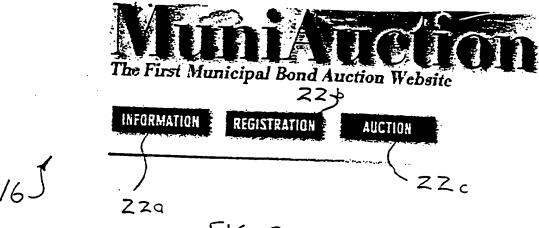
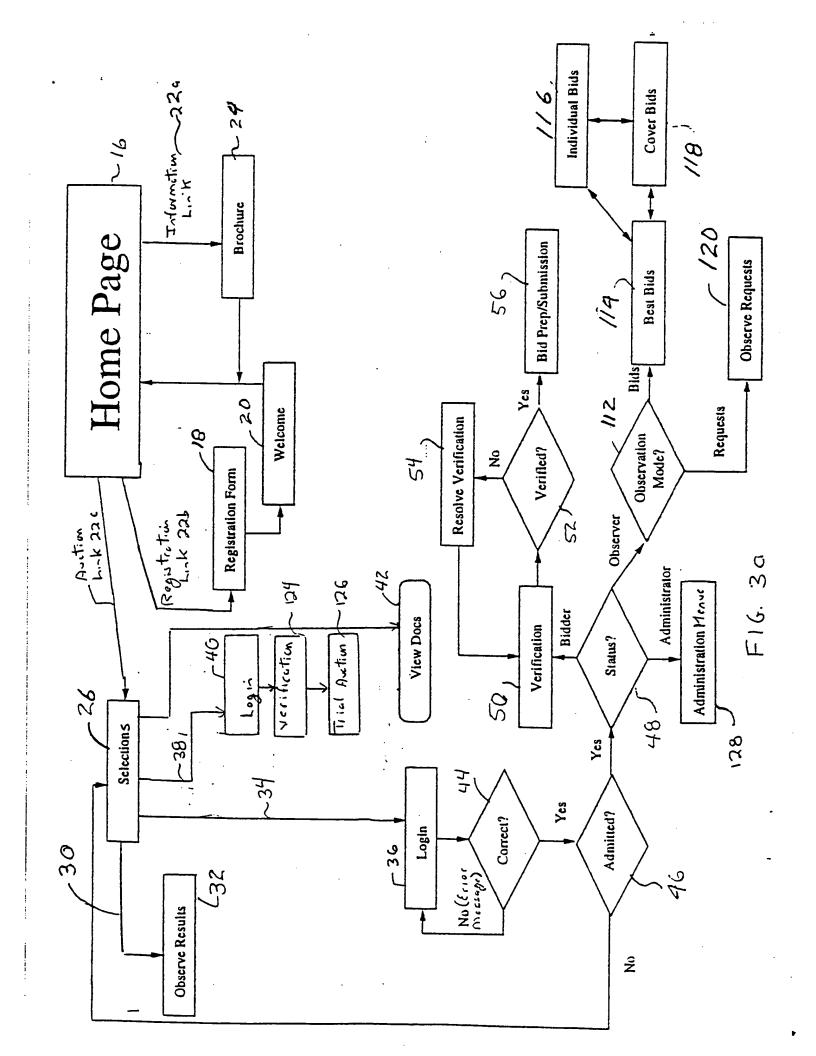
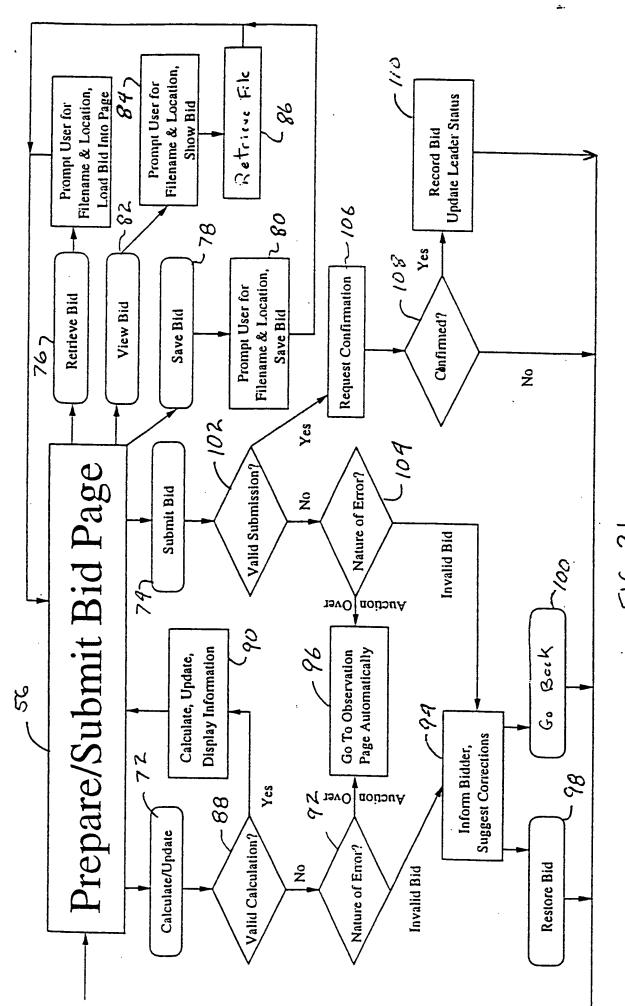
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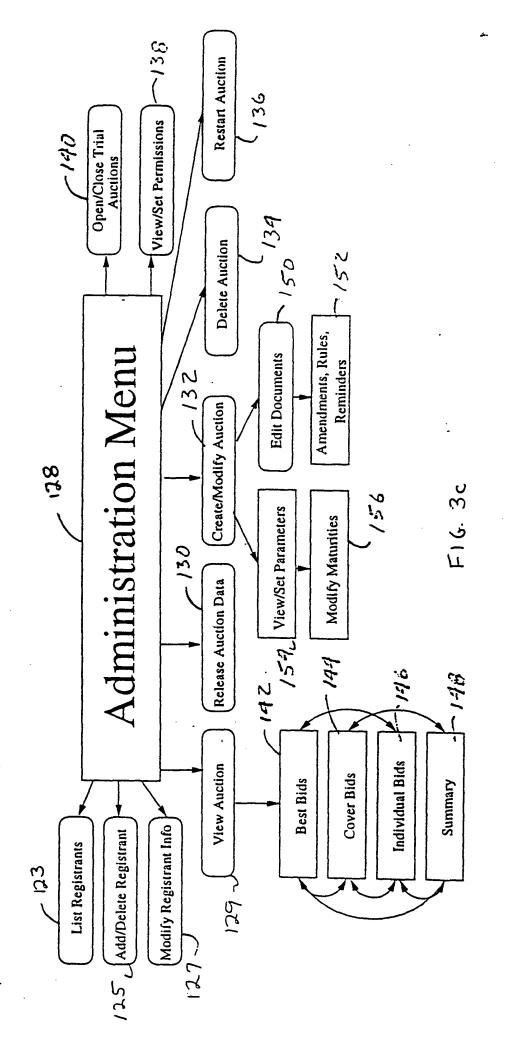
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F16. 36



-28 REGISTRATION QUESTIONS (Fields displayed in bold below are required.) FIRST NAME: LAST NAME: ORGANIZATION: ADDRESS (1st Line): ADDRESS (2nd Line): CITY: STATE: ZIP: TELEPHONE: TELEFAX: E-MAIL: (for security reasons only, e.g., verify

F16.4

NAME: your identity by phone)

MOTHER'S MAIDEN

Selections

26

Issuer	State		Size*	Auction Date*	Start Time*
City of Trial Auction (All-or-None)	OR	Limited Tax Revenue Bonds 1998 Series A	1	Any Day	Any Time
	uction	dments modified 4/20/98 @1	ents View POS		
City of Trial Auction (Maturity-by-Maturity)	<u> </u>	Limited Tax Revenue Bonds 1998 Series A	į.	Any Day	Any Time
Enter A		dments modified 4/20/98 @[ents View POS		
City of Portland (All-or-None)	OR	Limited Tax Revenue Bonds 1998 Series A	1	4/21/98	11:30 am EDT
		dments modified 4/20/98 @I			
Observe Results V				iest Admissi	II:30 am
(Maturity-by-Maturity)	1	Limited Tax Revenue Bonds 1998 Series A	1	4/21/98	EDT
		idments modified 4/20/98 @1			_
Observe Results V	iew No	tice of Sale View Amendments Vi	iew POS Requ	iest Admiss	ianj

MuniAuction Home Page, Rules (modified 4/16/98 @5:01 pm), Instructions, Reminders, Results Go

to:

Observe Auction: Portland.1998A.MBM MBM Best Bids

Auction Date	Auction Type	Start	End			Auction Status
Tue., Apr 21, 1998	MBM	11:30 am	12:00 pm	11:13:05 am	EDT	Over

\$29,000,000 City of Portland, Oregon Limited Tax Revenue Bonds 1998 Series A

Best MBM TIC:	Best AON TIC:	Best AON Bidder:
4.9574 %	4.9526 %	Salomon Smith Barney
(Not Winner)	(Winner)	(Winner)

Refresh

Principal

Amount* Coupon Price Best Yield Due Best MBM Bidder April 1, 2000 \$1,000,000 3.900% 99.703% 4.063% U.S. Bancorp Securities, Inc. April 1, 2001 \$1,040,000 4.000% 99.578% 4.155% U.S. Bancorp Securities, Inc.

April 1, 2016\$2,050,000 5.000% 98.004% 5.172% 5.208%

April 1, 2017 \$2,160,000 5.100% 98.710% April 1, 2018 \$2,270,000 5.125% 99.032% 5.203% Refresh

ADVEST INC. U.S. Bancorp Securities, Inc. CIBC-Oppenheimer

Click below to see other bidder results

LEBE-DS	WILL-MD	PRAG-RM	BELL-ER	GEOR-KD	HUTC-RD	FIRS-RE
FIDE-00	ADVE-JL	INTE-SF	RAYM-JR	A.GGH	SEAT-MA	U.SKS
MORG-TB	COMM-CB	EDWA-JC	ARTE-BW	CIBC-WH	Cover Bids	Bid Summary

Go Notice of Sale, Amendments (modified 4/20/98 @10:14 pm), POS, Rules (modified

to: 4/16/98 @5:02 pm) Instructions, Reminders, Selections, Results

Exit to: MuniAuction Home Page

Login

36/40

Auction Name: AON.TRIAL AUCTION Series A

Please go to Registration page if you have not yet registered with MuniAuction.

Eater your ID number:

Enter your password:

F16. 7

Note: Password is Case-Sensitive.

ENTER ■ a Bidder

Exit to: Muni Austina Home Prof

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Acknowledgement

in order to view this POS, you must first acknowledge that you are eligible to bid (i.e., you represent either a bank or NASD registered

I Am Eligible

I Am Not Eligible

This shall not constitute a solicitation or offer to bid or purchase these securities to such persons or in such jurisdictions to which such offerings or solicitations are not permitted. An offer or solicitation shall be made only by means of the Preliminary Official Statement.

Back to: Selections Page

F16. 8

Verification _____

Your name is Edward Pencoske. Your firm is Thorp Reed & Armstr ng. This auction is AON.TRIAL.AUCTION.1998A. This auction is an All-Or-None auction.

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Please verify that the above information is correct.
OYES O NO
Have you read the Notice of Sale and related Amendments (modified 4/20/98 @10:14 pm), if any, and do you agree to abide by the terms and conditions?
OYES O NO
Have you read the Preliminary Official Statement?
OYES O NO
Have you read the Rules of MuniAuction (modified 4/16/98 @5:01 pm) and do you agree to abide by them?
O YES O NO
Enter Auction
Go Notice of Sale, Amendments (modified 4/20/98 @10:14 pm), POS, Rules (modified to: 4/16/98 @5:01 pm) Instructions, Reminders, Selections, Results Exit to: MuniAuction Home Page



56 Auction Auction Date Auction Type Start End : Time Of Last Update Agetion Status Mos., Feb 23, 1998 MEG 9:30 am 10:00 am 3:10:16 pm Over \$91,760,000° The Pittsburgh Water and Sewer Authority, Pennsylvania Water and Sewer System First Lien Revenue Bonds, Series A of 1998 Name of firm submitting bid: MuniAuction, Inc. This auction is competing with PittsburghWaterAndSewer.SeriesALAON. As of 3:10:16 pm, bids have been submitted for all manufities. LMPORTANT: Bidders must click the "Calculate/Update" button frequently during saction to update "Time of Last Update". Also, clicking "Calculate/Update" does not result in bid submission. Calculate/Update Submit Bid Enter Either: 76 66-700 Principal Purchase Yleid-to-Your Sabmitted Cpn=PP--YTM Due Amouat* Coupon Price OR Maturity Status September 01, 2017 \$8,275,000 5 OR Not Winner September 01, 2018 OR \$3,695,000 Not Winner

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7	e A	•	•	•	•	•	
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September 01, 2025	\$12,370,000	%		OR	•	Not Winner	
	during auction	n to update "	t click the "C Time of Last" t result in bio	l'pdate". Al	sa clicking	frequently	
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Go for Strike of Sale. Amondments anothiried 2/2008/4/1/13 and POS. Rules anothired 1/2/08/4/1/140 and Instructions. Reminders, Solocities

Exit to: MuniAuction Home Proc

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Maturity

3

OR

OR

Auction Date Ead : Auction Type Start Time Of Last Update Auction Status Mos., Feb 23, 1998 AON 3:05:25 pm 9:30 am 10:00 am Ove 591.760,000° The Pittsburgh Water and Sewer Authority, Pennsylvania Water and Sewer System First Lien Revenue Bonds, Series A of 1998 Name of firm submitting bid: MuniAuction, Inc. Parchase Price: S (not to be less than \$29,466,000.00) Your TIC: NO BID Your Status: Not Winner 702 This auction is competing with Patriciph Water And Sewer, Series ALMOM. As of 3:08:28 pm, there has been at least one all-or-come bid submitted in this auction. ondroughdoning being before the court of countries are discussed to the second of the IMPORTANT: Bidders must click the "Calculate/Update" button Calculate/Update frequently during auction to apdate "Time of Last Update". Also, clicking "Calculate/Update" does not result in hid submission. Submit Bid Enter Elther: 66) Serial Principal Siaker/ Reoffering Yleid-to-Amount' Coupan Term Price OR

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September 01, 2025	s12,370,000	Smal -] -	· · · · ·	% OR	*	7
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Go to: Native of Sale, Amendments (modified 2/20/98 &11:23 am., 228, Rules (modified 2/20/98 &11:40 am) Instructions , Reminders, Sciotions

Exit to: MuniAuction Home Prove

September 01, 2017

September 01, 2018

\$8,275,000

\$8,695,000

Serial ·

Error

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Sorry. Your bid was invalid for the following reasons:

- 1. For the Sinking Fund redemptions maturing on September 01, 2022 you are not allowed to enter a yield.
- For the Sinking Fund redemptions maturing on September 01, 2022 you have entered price or coupon values that are not identical to the
 values for the corresponding Term bonds maturing on September 01, 2023.
- You specified boads manuring on September 01, 2020 as Term bonds, but you did not specify bonds for the preceding maturity as Sinking Fund redemptions (i.e., "Sinker").
- 4. You specified bonds manuring on September 01, 2018 as Sinking Fund redemptions, but you did not specify the subsequent maturity as either Sinking Fund redemptions (i.e., Sinker) or Term bonds.

To specify any maturity as a term bond maturity, you must specify one or more preceding maturities as Sinking Fund redemptions.

- For the bonds maturing on September 01, 2017 you entered a coupon less than 1,00%.
- 6. Your Purchase Price must not be less than \$89,466,000.00
- For the bonds maturing on September 01, 2017 your coupon entry of 0% does not conform to the rules of the auction. Coupon entered must be non-zero.

To return to the Auction Page with your most recent inputs, click the BACK button below.



To restore the Auction Page to your last successfully submitted bid, click the Restore button below (Warning: If no bid has yet been successfully submitted, clicking the Restore button will return you to a blank Auction Page).

Restore

Go to: Notice of Sale, Amendments (modified 2/20/98 @11/13 am., POS, Rules (modified 2/20/98 @11:40 am) Instructions , Reminders, Selections

Exit to: MuniAuction Home Page

Confirmation

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Auetien Date
Any Day

Auction Type
AON

Start Em

Time Of Last Update
4:57:37 pm

Auction Status

391,760,000°
AON Trial Auction (Series A), Pennsylvania
Water and Sewer System First Lien Revenue Bonds,
Series A of 1998

Name of firm submitting bid: MuniAuction, Inc.

Are you sure you want to submit the following bid?

No, Go Back

Yes, Submit Bid

Purchase Price: \$90,000,000.00

Your TIC: 6.0803 %

Due	Principal Amount	Serial/ Sinker/ Term	Coopea	Price	Yleid
	Bezinnis	ig of Term	1 koab		
September 01, 2017	\$3_275,000	Sinker	5.000%	100.000%	•••
September 01, 2018	21,695,000	Sinker	5.000%	100.000%	•••
September 01, 2019	\$9,140,000	Sinker	£000£	100.000%	***
September 01, 2020	\$9,610,000	Sinker	5.000%	100.000%	•••
September 01, 2021	\$10,105,000	Tem	£000.2	100.000%	5.000%
	End	of Term g	Loab		
September 01, 2022	\$10,630,000	Serial	£000.3	100.000%	6.000%
	Bezinni	ng of Term	Storb		
September 01, 2023	\$11,120,000	Sinker	. 7.600%	100.000%	
September 01, 2024	\$11,755,000	Siaker	7.000%	100.000%	•••
September 01, 2025	\$12,370.000	Tem	7.000%	100.000%	7.000%
	End	of Term g	roap		

Go to: Notice of Sale, Amendments (modified 2/20/93 411:23 am), POS, Rules (modified 2/20/93 411:40 am) Instructions . Reminders, Selections

Exit to: MuniAuction Home Page

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Administration

Auction Permissi ns: PittsburghWaterAndSewer-SeriesA.AON

Observe All	Change Auction Permissions	Ream to Menu
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	Organization	ID Number	Allew Obs	Aile= Bld	Admission Status
	MuniAuction, Inc.	MUMI-DV			Report
	The Shoder Education Foundation	SHOD-80			Requested
1	CMU	CNG-DH			
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Change Auction Permissions Return to Menst

Administrations Creat Now Auction

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